Ida Results From the Galileo **Near Infrared** Mapping Spectrometer

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During the **August** 28, 1993 Galileo flyby of 243 Ida, the Near Infrared Mapping Spectrometer experiment obtained spectral images in the wavelength range 0.7 -5.2 pm. The first playback of these data provides **images** at - 1.5 **km spatial** resolution **in** seventeen spectral **bands,** encompassing both reflected sunlight and. thermal emission. Additional data **playback,** currently in process, will provide additional detail. Preliminary findings show that the surface of Ida is **mineralogically** homogeneous and contains both **olivine** to **pyroxene.** The measured brightness temperature at 5 **μ varies** across **the** surface, with a maximum observed value of 210 K A thermal inertia **of 0.0015 cal cm^{-2}** xc $^{-1}$ **K^{-1} is** found. This is about a factor of two less than the thermal inertia found for **Gaspra,** indicating a **finer-grained regolith** on Ida.

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5. (a) P03 (Ida and S/L-9)

6.

7. **30%** at DPS

8. **$50** check enclosed

9. X (by Session Chair, L. McFadden)'

10. Put before paper submitted by **Granahan** et al.

11. No